Enemalta is the Maltese power company responsible for power generation and distribution. Enemalta has placed an order with ABB to embed load manager software in their power plant controls in order to regulate power flow through the new interconnector with Sicily. The 95 km-long cable with 220 kV and 200 MW capacity connects the two countries and allows Malta to exchange electricity with the Italian power market. ABB has implemented the load manager into the existing Melody control system with System 800xA Operations and the PGIM (Power Generation Information Management) data archive. OPTIMAX® PowerFit has been included in order to enter and process the amount of power to be scheduled.

**Enemalta, Malta**
- Power company for electrical supply and distribution on Malta
- Operating power stations with approx. 600 MW and interconnector with 200 MW
- Committed to a cleaner environment through engineering excellence, improved efficiencies and a continuous drive for change

**Project**
- A load manager software had to be installed in the Malta system to make it possible to regulate the power flow (import/export) through the Sicilian interconnector
- This will enable the operator to select which plant should be used to control the power via the interconnector
ABB solutions

- Integration of load-manager logic into the existing power plant control scheme with ABB Melody
- Interfacing of the relevant data in PGIM
- OPTIMAX PowerFit for power set-point schedule processing and validation
- The load manager allows Enemalta to enter the power schedule for the interconnector for the coming days
- The load manager checks and determines which block is active and should be utilized
- The system automatically checks signal and date validity and transmits to the plant control systems

Note:
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